



# ASSET MANAGEMENT MANUAL



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# 1 Introduction

## 1.1 Purpose

The purpose of this manual is to provide a useful reference for those responsible for maintaining the roadway asset inventory in RoadMAP (Road Maintenance Accountability Program). The following pages address each asset category found in RoadMAP. The information includes a description of the asset type, the information that is required to record an asset, and the fields that information is intended to be stored in. The manual is organized by major asset types (Pavement Management, Roadway Features, and General Assets) and then by asset type in alphabetical order. Screenshots of the RoadMAP software have been provided for clarity.

This manual will be updated on a regular basis. The initial release includes those asset types that are considered to be the highest priority. As other assets are added, the manual will be updated. Those who are responsible for the management of roadway assets should regularly check the web-based version of this manual for any updates. The manual is available on the Maintenance Bureau website under the Management & Training Section.

## 1.2 Asset Management Strategy

Each district is responsible for the maintenance of its asset inventory. Each division should appoint one person, and one backup person, to be the single point for asset management in their area. The appointed persons are responsible for maintaining the current asset records, correcting inaccurate asset records, and adding new asset records as they are identified. Working closely with the Permit Coordinator for the area will be of considerable value to anyone attempting to keep accurate records of pavement and other roadway related assets.

## 2 Pavement Management Assets

### 2.1 Asphalt Crossover

#### 2.1.1 *Description and Inventory Rules*

Crossovers are paved structures designed to allow traffic to cross from one side of a divided highway to another. They are generally used in conjunction with turn outs but may stand alone.

#### 2.1.2 *RoadMAP Asset Data Entry*

##### 2.1.2.1 *Main Tab*

The screenshot shows the 'Main Tab' of the RoadMAP Asset Data Entry form. The form is divided into three tabs: 'Main', 'Additional Information', and 'UDF'. The 'Main' tab is selected. The form contains several input fields and buttons. Red arrows point to the following fields: 'Pavement ID' (AXO-AL0001-318.138), 'Description' (MEDIAN XNG/TURN AL0001 318.138), 'Div/Dist' (120), 'Road Class' (NHS), 'Build Date' (1/1/1900), and 'Lanes' (002). The 'Description' field also has a red arrow pointing to it from the right. The 'Traffic' field is set to 'Medium' and the 'Priority' field is also set to 'Medium'. There are buttons for 'Cost by Activity' and 'Cost Trend'. A 'Picture' field shows 'No image data'.

The minimum information that must be entered for each asset is described below.

- Pavement ID:
  - Use the standard format shown above; AXO-Route-Mile Point. Note that the route direction and side of road is not required for this asset type since, by definition, it exists in the median of a divided highway.
- Description:
  - At a minimum, include the asset type, route, and beginning mile point. Additional descriptive text can be added as needed. This format will make finding the asset in Work Orders and Work Reports easier.
- Div/Dist:
  - Choose the correct district code for the asset from the pick list

- Road Class (Top Field):
  - Choose the correct Road Class from the pick list. INT=Interstate, NHS=National Highway System, OSH=Other State Highways, INST=Institutional Roadways.
- Build Date:
  - Enter the build date if it is known. If not known, the field may be left blank. Assets imported from the legacy inventory system have a date of 1/1/1900 by default.
- Lanes:
  - Generally this will always be 1.

### 2.1.2.2 Additional Information Tab

The screenshot shows the 'Additional Information' tab with the following fields and values:

Max Load	0	Design	0	Inventory Qty	478.72 square yards
Count Date	[dropdown]	Traffic Count	0	R.O.W.	0
Sur Depth	0	Sur Width	12 feet	Length	0.0340 miles
Original Value	\$0.00	Life in Yrs	0	Accrued Depr	\$0.00
Balance	\$0.00	Condition	A	Last Inspection	[dropdown]
Det Rate	0	Interval	0 Month	Next Inspection	
Sub Surface	[dropdown]	Sub-surface Condition	100	Sub-surface Width	0
Sub-surface Depth	0	Sub-surface Det Rate	0	Previous Segment	[dropdown]
Next Segment	[dropdown]	Billable Cust(s)		Location	[button]
Start Position	0	Address		LRS	318.1360
End Position	0	Co. Madison ; Route AL0001 ; From 318.1380; To 318.1720; GPS Start is 0:0; GPS End is 0:0			318.1720

Note: **DO NOT ENTER MILE POINTS IN THESE FIELDS.** They will populate from the Location button widow.

The minimum information that must be entered for each asset is described below.

- Inventory Qty: Square Yards to .01
  - Enter the total Square Yards of asphalt included in the asset. This field will NOT auto-calculate. The following formula will calculate the correct value:

---

- Sur Width: Feet to 1
  - This field is used to record the Width for the crossover. This dimension is measured perpendicular to the roadway centerline and is almost always the same as the median width in the area.

- Length: Miles to .001
  - Length is measured parallel to the roadway centerline.
- Location: Click the Location button to open widow

- Start Coordinates:
  - Enter Longitude and Latitude coordinates if available
- End Coordinates:
  - Enter Longitude and Latitude coordinates if available
- County:
  - Choose the correct county name from the pick list
- Route Type:
  - Choose the correct route type from the pick list; IN=Interstate Route, AL=All other state routes
- Route:
  - Choose the correct route number from the pick list. The list will be limited according to the county and route type selected.
- Direction:
  - Direction is not required for crossovers
- Logpoint:
  - Enter the Start and End mile points for the asset

### 2.1.2.3 UDF Tab

No information required



## 2.2 Asphalt Paved Shoulder

### 2.2.1 Description and Inventory Rules

A paved shoulder is any paved surface outside the travel lane greater than or equal to two feet in width.

A single asset record for both sides of the road may be recorded if the paved shoulder is the same width on both sides of the road. Separate records must be created for shoulders that are not the same width such as divided highways with outside shoulders larger than the inside shoulders.

Divided highway shoulders are to be created as separate records for each direction.

### 2.2.2 RoadMAP Asset Data Entry

#### 2.2.2.1 Main Tab

The screenshot shows the 'Main' tab of the RoadMAP Asset Data Entry interface. The form is divided into several sections. The top section contains the 'Pavement ID' field (value: APSH-AL0003-178.743-N) and the 'Description' field (value: PVD. SHLDR. AL0003 178.743). Below these are 'Add Info' and 'Location' fields. The middle section contains 'Div/Dist' (630), 'Road Class' (NHS), and another 'Road Class' field. The bottom section contains 'Build Date' (1/1/1900), 'Lanes' (002), 'Traffic' (Medium), and 'Priority' (Medium). There are also buttons for 'Cost by Activity' and 'Cost Trend'. A large white box at the bottom contains the text 'No image data'.

The minimum information that must be entered for each asset is described below.

- Pavement ID:
  - Use the standard format shown above; APSH-Route-Mile Point-Dir-Side. Direction for undivided roadways should be the primary direction (N or E). Note that the side of road is not required if creating a single record for both sides.
- Description:

- At a minimum, include the asset type, route, and beginning mile point. Additional descriptive text can be added as needed. This format will make finding the asset in Work Orders and Work Reports easier.
- Div/Dist:
  - Choose the correct district code for the asset from the pick list
- Road Class (Top Field):
  - Choose the correct Road Class from the pick list. INT=Interstate, NHS=National Highway System, OSH=Other State Highways, INST=Institutional Roadways.
- Build Date:
  - Enter the build date if it is known. If not known, the field may be left blank. Assets imported from the legacy inventory system have a date of 1/1/1900 by default.
- Lanes:
  - Enter the number of shoulders being recorded (Maximum of 2).

### 2.2.2.2 Additional Information Tab

The screenshot shows the 'Additional Information' tab of a software interface. The form is divided into several sections. The top section contains fields for 'Max Load', 'Count Date', 'Sur Depth', 'Original Value', 'Balance', 'Condition', 'Det Rate', 'Sub Surface', 'Sub-surface Width', 'Previous Segment', and 'Next Segment'. The middle section contains 'Design', 'Traffic Count', 'Life in Yrs', 'Accrued Depr', 'Last Inspection', 'Interval', 'Sub-surface Condition', 'Sub-surface Depth', and 'Sub-surface Det Rate'. The bottom section contains 'Billable Cust(s)', 'Location', 'Start Position', 'End Position', 'Address', and 'LRS'. A red box highlights the 'LRS' field with the note: 'Note: DO NOT ENTER MILE POINTS IN THESE FIELDS. They will populate from the Location button widow.'

The minimum information that must be entered for each asset is described below.

- Inventory Qty: Square Yards to .01
  - Enter the total Square Yards of asphalt included in the asset. This field will NOT auto-calculate. The following formula will calculate the correct value:

- Sur Width: Feet to 1
  - This field is used to record the Shoulder Width for the asset. This dimension is measured perpendicular to the roadway centerline.
- Length: Miles to .001
  - Length is measured parallel to the roadway centerline.
- Location: Click the Location button to open widow

- Start Coordinates:
  - Enter Longitude and Latitude coordinates if available
- End Coordinates:
  - Enter Longitude and Latitude coordinates if available
- County:
  - Choose the correct county name from the pick list
- Route Type:
  - Choose the correct route type from the pick list; IN=Interstate Route, AL=All other state routes
- Route:
  - Choose the correct route number from the pick list. The list will be limited according to the county and route type selected.
- Direction:
  - Direction is the primary direction (N or E) for undivided routes and the direction being inventoried for divided routes.
- Logpoint:

- Enter the Start and End mile points for the asset
- Side:
  - Select the side of the road being inventoried. This field may be left blank if recording both sides in a single record
- Location
  - Select 'Roadside' from the pick list

### ***2.2.2.3 UDF Tab***

No information required

## 2.3 Asphalt Roadway

### 2.3.1 Description and Inventory Rules

Asphalt Roadway assets represent the main travel lanes of a roadway.

A single record may be created to record all lanes of the same width. If variable width lanes exist in the same paved surface (such as 12' outside lanes with 11' inside lanes) then enter the smallest lane width as the Surf Width and make a note about the actual lane widths and that the square yards of asphalt have been calculated to account for this situation.

Divided highways are to be recorded as separate assets for each direction.

### 2.3.2 RoadMAP Asset Data Entry

#### 2.3.2.1 Main Tab

The screenshot shows the 'Main' tab of the RoadMAP Asset Data Entry form. The form is divided into three tabs: 'Main', 'Additional Information', and 'UDF'. The 'Main' tab is active. The form contains several input fields and dropdown menus. Red arrows point to the following fields: 'Pavement ID' (ARDW-AL0006-30.454), 'Description' (AL0006 30.454), 'Div/Dist' (520), 'Road Class' (NHS), 'Build Date' (1/1/1900), 'Lanes' (002), and 'Picture' (No image data). The form also includes a 'Location' field, 'Traffic' (Medium), 'Priority' (Medium), 'Design Considerations', and buttons for 'Cost by Activity' and 'Cost Trend'.

The minimum information that must be entered for each asset is described below.

- Pavement ID:
  - Use the standard format shown above; ARDW-Route-Mile Point-Dir. Direction and side of road is not required for undivided roadways.
- Description:

- At a minimum, include the asset type, route, and beginning mile point. Additional descriptive text can be added as needed. This format will make finding the asset in Work Orders and Work Reports easier.
- Div/Dist:
  - Choose the correct district code for the asset from the pick list
- Road Class (Top Field):
  - Choose the correct Road Class from the pick list. INT=Interstate, NHS=National Highway System, OSH=Other State Highways, INST=Institutional Roadways.
- Build Date:
  - Enter the build date if it is known. If not known, the field may be left blank. Assets imported from the legacy inventory system have a date of 1/1/1900 by default.
- Lanes:
  - Enter the number of lanes included in the segment.

### 2.3.2.2 Additional Information Tab

The screenshot shows the 'Additional Information' tab with the following fields and values:

- Max Load: 0
- Design: 0
- Inventory Qty: 14760 square yards
- Count Date: (dropdown)
- Traffic Count: 0
- R.O.W.: 0
- Sur Depth: 0
- Width: 12 feet
- Length: 1.0480 miles
- Original Value: \$0.00
- Life in Yrs: 0
- Accrued Depr: \$0.00
- Balance: \$0.00
- Condition: A
- Last Inspection: (dropdown)
- Interval: 0 Month
- Det Rate: 0
- Next Inspection: (dropdown)
- Sub Surface: (dropdown)
- Sub-surface Condition: 100
- Sub-surface Width: 0
- Sub-surface Depth: 0
- Sub-surface Det Rate: 0
- Previous Segment: (dropdown)
- Next Segment: (dropdown)
- Billable Cust(s): (text field)
- Location: (button)
- Start Position: 0
- End Position: 0
- Address: (text field)
- LRS: 30.4540
- Co. Tuscaloosa ; Route AL0006 ; From 30.4540; To 31.5010; Loc. Roadside ; Offset ; Side R; GPS Start is 0:0; GPS End is 0:0
- Notes: (text area)
- More: (button)

Note: **DO NOT ENTER MILE POINTS IN THESE FIELDS.** They will populate from the Location button widow.

The minimum information that must be entered for each asset is described below.

- Inventory Qty: Square Yards to .01

- Enter the total Square Yards of asphalt included in the asset. This field will NOT auto-calculate. The following formula will calculate the correct value:

---

- Sur Width: Feet to 1
  - This field is used to record the Lane Width for the asphalt section. If variable width lanes exist in the same paved surface then enter the smallest lane width as the Surf Width and make a note about the actual lane widths and that the square yards of asphalt have been calculated to account for this situation.
- Length: Miles to .001
  - Length is measured along the roadway centerline.
- Location: Click the Location button to open widow

- Start Coordinates:
  - Enter Longitude and Latitude coordinates if available
- End Coordinates:
  - Enter Longitude and Latitude coordinates if available
- County:
  - Choose the correct county name from the pick list
- Route Type:
  - Choose the correct route type from the pick list; IN=Interstate Route, AL=All other state routes
- Route:

- Choose the correct route number from the pick list. The list will be limited according to the county and route type selected.
- Direction:
  - Direction is required when recording divided highway sections.
- Logpoint:
  - Enter the Start and End mile points for the asset

### ***2.3.2.3 UDF Tab***

No information required



## 2.4 Asphalt Service Road

### 2.4.1 Description and Inventory Rules

Asphalt Service Road assets represent service roads maintained by ALDOT and separate from the main route.

A single record may be created to record all lanes of the same width. If variable width lanes exist in the same paved surface then a separate record should be created for each lane width.

If service roads exist on both sides of a route they must be inventoried separately.

### 2.4.2 RoadMAP Asset Data Entry

#### 2.4.2.1 Main Tab

The screenshot shows the 'Main' tab of the RoadMAP Asset Data Entry form. The form is divided into several sections. The top section contains the 'Pavement ID' field (ASRD-AL0016-37.933-N-R) and the 'Description' field (SERVICE RD AL0016 37.933). Below this is the 'Add Info' field and the 'Location' field. The middle section contains the 'Div/Dist' field (920), the 'Road Class' field (OSH), and the 'Build Date' field (1/1/1900). The bottom section contains the 'Lanes' field (002) and the 'Picture' field (No image data). There are also dropdown menus for 'Traffic' (Medium) and 'Priority' (Medium). Red arrows point to the 'Pavement ID', 'Description', 'Div/Dist', 'Road Class', 'Build Date', and 'Lanes' fields.

The minimum information that must be entered for each asset is described below.

- Pavement ID:
  - Use the standard format shown above; ASRD-Route-Mile Point-Dir-Side.
- Description:

- At a minimum, include the asset type, route, beginning mile point, direction and side. Additional descriptive text can be added as needed. This format will make finding the asset in Work Orders and Work Reports easier.
- Div/Dist:
  - Choose the correct district code for the asset from the pick list
- Road Class (Top Field):
  - Choose the correct Road Class from the pick list. INT=Interstate, NHS=National Highway System, OSH=Other State Highways, INST=Institutional Roadways.
- Build Date:
  - Enter the build date if it is known. If not known, the field may be left blank. Assets imported from the legacy inventory system have a date of 1/1/1900 by default.
- Lanes:
  - Enter the number of lanes included in the service road segment.

### 2.4.2.2 Additional Information Tab

The screenshot shows the 'Additional Information' tab of a software interface. The form is organized into several sections:

- Top Section:** Includes fields for Max Load (0), Design (0), Inventory Qty (5603 square yards), Count Date (dropdown), Traffic Count (0), R.O.W. (0), Sur Depth (0), Width (12 feet), Length (0.3980 miles), Original Value (\$0.00), Life in Yrs (0), and Accrued Depr (\$0.00).
- Condition Section:** Includes Condition (A), Last Inspection (dropdown), Interval (0 Month), Det Rate (0), and Next Inspection.
- Sub-surface Section:** Includes Sub Surface (dropdown), Sub-surface Condition (100), Sub-surface Width (0), Sub-surface Depth (0), and Sub-surface Det Rate (0).
- Segment Section:** Includes Previous Segment and Next Segment (both with dropdowns and arrows).
- Billable Cust(s):** A text field.
- Location Section:** Includes a 'Location' button, Start Position (0), End Position (0), Address (37.9330), and LRS (38.3310).
- Notes Section:** Includes a 'Notes' label and a 'More' button.

Red arrows point to the 'Inventory Qty' field (5603 square yards), the 'Width' field (12 feet), the 'Length' field (0.3980 miles), the 'Location' button, and the 'Start Position' field (37.9330). A note box at the bottom right states: "Note: **DO NOT** ENTER MILE POINTS IN THESE FIELDS. They will populate from the Location button widow."

The minimum information that must be entered for each asset is described below.

- Inventory Qty: Square Yards to .01

- Enter the total Square Yards of asphalt included in the asset. This field will NOT auto-calculate. The following formula will calculate the correct value:

---

- Sur Width: Feet to 1
  - This field is used to record the Lane Width for the service section.
- Length: Miles to .001
  - Length is measured along the roadway centerline.
- Location: Click the Location button to open widow

- Start Coordinates:
  - Enter Longitude and Latitude coordinates if available
- End Coordinates:
  - Enter Longitude and Latitude coordinates if available
- County:
  - Choose the correct county name from the pick list
- Route Type:
  - Choose the correct route type from the pick list; IN=Interstate Route, AL=All other state routes
- Route:
  - Choose the correct route number from the pick list. The list will be limited according to the county and route type selected.
- Direction:

- Select the traffic direction of the adjacent main roadway. For example; there should be a record for North-Right and a record for South-Right when service roads exist on both sides of a North/South main route.
- 
- Logpoint:
  - Enter the main roadway Start and End mile points for the asset
- Side:
  - Select the correct side from the pick list. This should always be R since the direction will refer to the adjacent main route direction. For example; there should be a record for North-Right and a record for South-Right when service roads exist on both sides of a North/South main route.

#### ***2.4.2.3 UDF Tab***

No information required

## 2.5 Asphalt Turn Lanes

### 2.5.1 Description and Inventory Rules

Asphalt Turn Lane assets represent roadside paved turn lanes on ALDOT maintained roadways. Center turn lanes are not included in this asset category.

A single record should be created for each turn lane that represents only the stack portion of the turn lane. It is allowable to enter a single record for a double (or larger) turn lane set as long as the correct number of lanes and lane with is recorded. Transitions associated with the turn lanes should be inventoried under the Asphalt Turn Lane Transitions asset category.

### 2.5.2 RoadMAP Asset Data Entry

#### 2.5.2.1 Main Tab

The screenshot shows the 'Main' tab of the RoadMAP Asset Data Entry interface. The form is divided into several sections. The 'Pavement ID' field contains 'ATL-AL0007-12.135-N-R' and is highlighted with a red arrow. The 'Description' field contains 'LEFT TURN AL0007 12.135' and is also highlighted with a red arrow. Other fields include 'Div/Dist' (810), 'Road Class' (OSH), 'Build Date' (1/1/1900), and 'Lanes' (001). The 'Traffic' and 'Priority' dropdown menus are set to 'Medium'. The 'Picture' field is empty, showing 'No image data'. The 'Cost by Activity' and 'Cost Trend' buttons are visible at the bottom.

Pavement ID	ATL-AL0007-12.135-N-R	Description	LEFT TURN AL0007 12.135
Add Info		Location	
Div/Dist	810		DISTRICT 1 - LIVINGSTON
Road Class	OSH		Other State Highways - Non-NHS
Road Class			
Build Date	1/1/1900	Traffic	Medium
Lanes	001	Priority	Medium
Picture		Design Considerations	

The minimum information that must be entered for each asset is described below.

- Pavement ID:
  - Use the standard format shown above; ATL-Route-Mile Point-Dir-Side.
- Description:

- At a minimum, include the asset type, route, beginning mile point, direction and side. Additional descriptive text can be added as needed. This format will make finding the asset in Work Orders and Work Reports easier.
- Div/Dist:
  - Choose the correct district code for the asset from the pick list
- Road Class (Top Field):
  - Choose the correct Road Class from the pick list. INT=Interstate, NHS=National Highway System, OSH=Other State Highways, INST=Institutional Roadways.
- Build Date:
  - Enter the build date if it is known. If not known, the field may be left blank. Assets imported from the legacy inventory system have a date of 1/1/1900 by default.
- Lanes:
  - Enter the number of turn lanes included.

### 2.5.2.2 Additional Information Tab

The screenshot shows the 'Additional Information' tab of a software interface. The form is divided into several sections:

- Top Section:** Contains fields for Max Load (0), Design (0), Inventory Qty (851.84 square yards), Count Date (dropdown), Traffic Count (0), R.O.W. (0), Sur Depth (0), Width (12 feet), Length (0.1210 miles), Original Value (\$0.00), Life in Yrs (0), and Accrued Depr (\$0.00).
- Condition Section:** Includes Condition (A), Last Inspection (dropdown), Interval (0 Month), Det Rate (0), and Next Inspection.
- Sub-surface Section:** Includes Sub Surface (dropdown), Sub-surface Condition (100), Sub-surface Width (0), Sub-surface Depth (0), and Sub-surface Det Rate (0).
- Segment Section:** Includes Previous Segment and Next Segment (both with dropdown and arrow buttons).
- Billable Cust(s):** A text field.
- Location Section:** Includes a Location button, Address, Start Position (0), End Position (0), and LRS (12.1350).
- Notes Section:** Includes a Notes field and a More button.

Red arrows point to the following fields: Inventory Qty (851.84 square yards), Width (12 feet), Length (0.1210 miles), Location button, and LRS (12.1350). A red box contains the following note: "Note: **DO NOT ENTER MILE POINTS IN THESE FIELDS.** They will populate from the Location button widow."

The minimum information that must be entered for each asset is described below.

- Inventory Qty: Square Yards to .01

- Enter the total Square Yards of asphalt included in the asset. This field will NOT auto-calculate. The following formula will calculate the correct value:

---

- Sur Width: Feet to 1
  - This field is used to record the Lane Width for the turn lane.
- Length: Miles to .001
  - Length is measured along the roadway centerline.
- Location: Click the Location button to open widow

- Start Coordinates:
  - Enter Longitude and Latitude coordinates if available
- End Coordinates:
  - Enter Longitude and Latitude coordinates if available
- County:
  - Choose the correct county name from the pick list
- Route Type:
  - Choose the correct route type from the pick list; IN=Interstate Route, AL=All other state routes
- Route:
  - Choose the correct route number from the pick list. The list will be limited according to the county and route type selected.
- Direction:

- Select the traffic direction of the adjacent main roadway that is serviced by the turn lane.
- Logpoint:
  - Enter the main roadway Start and End mile points for the asset
- Side:
  - Select the correct side from the pick list.

### ***2.5.2.3 UDF Tab***

No information required



## 2.6 Asphalt Turn Lane Transitions

### 2.6.1 Description and Inventory Rules

Asphalt Turn Lane Transition assets represent paved transitions for turn lanes on ALDOT maintained roadways. Center turn lane transitions are not included in this asset category.

A single record should be created for each turn lane transition.

### 2.6.2 RoadMAP Asset Data Entry

#### 2.6.2.1 Main Tab

The screenshot shows the 'Main' tab of the RoadMAP Asset Data Entry interface. The form contains the following fields and values:

- Pavement ID:** ATLT-AL0005-146.965-W-R (indicated by a red arrow)
- Description:** W.B. RT TN TRAN AL0005 146.965 (indicated by a red arrow)
- Add Info:** (empty field)
- Location:** (empty field)
- Div/Dist:** 340 (DISTRICT 4 - JASPER) (indicated by a red arrow)
- Road Class:** NHS (National Highway System) (indicated by a red arrow)
- Road Class:** (empty field)
- Build Date:** 1/1/1900 (indicated by a red arrow)
- Traffic:** Medium (dropdown menu)
- Priority:** Medium (dropdown menu)
- Lanes:** 001 (indicated by a red arrow)
- Design Considerations:** (empty field)
- Picture:** (empty field)
- Buttons:** Cost by Activity, Cost Trend
- Image Placeholder:** No image data

The minimum information that must be entered for each asset is described below.

- Pavement ID:
  - Use the standard format shown above; ATLT-Route-Mile Point-Dir-Side.
- Description:
  - At a minimum, include the asset type, route, beginning mile point, direction and side. Additional descriptive text can be added as needed. This format will make finding the asset in Work Orders and Work Reports easier.
- Div/Dist:
  - Choose the correct district code for the asset from the pick list
- Road Class (Top Field):
  - Choose the correct Road Class from the pick list. INT=Interstate, NHS=National Highway System, OSH=Other State Highways, INST=Institutional Roadways.

- Build Date:
  - Enter the build date if it is known. If not known, the field may be left blank. Assets imported from the legacy inventory system have a date of 1/1/1900 by default.
- Lanes:
  - Enter the number of turn lane transitions included. Only in very rare circumstances should this number be anything other than 1.

### 2.6.2.2 Additional Information Tab

The screenshot shows the 'Additional Information' tab with the following fields and values:

- Max Load: 0
- Design: 0
- Inventory Qty: 66.88 square yards
- Count Date: [dropdown]
- Traffic Count: 0
- R.O.W.: 0
- Sur Depth: 0
- Sur Width: 6 feet
- Length: 0.0190 miles
- Original Value: \$0.00
- Life in Yrs: 0
- Accrued Depr: \$0.00
- Balance: \$0.00
- Condition: A
- Last Inspection: [dropdown]
- Interval: 0 Month
- Det Rate: 0
- Next Inspection: [dropdown]
- Sub Surface: [dropdown]
- Sub-surface Condition: 100
- Sub-surface Width: 0
- Sub-surface Depth: 0
- Sub-surface Det Rate: 0
- Previous Segment: [dropdown]
- Next Segment: [dropdown]
- Billable Cust(s): [text field]
- Location: [button]
- Address: [text field]
- LRS: [text field]
- Start Position: 0
- End Position: 0
- 146.9650
- 146.9850

Co. Jefferson ; Route AL0005 ; Dir. W; From 146.9650; To 146.9850; Loc. Roadside ; Offset ; Side R; GPS Start is 0:0; GPS End is 0:0

Notes  
More

Note: **DO NOT ENTER MILE POINTS IN THESE FIELDS.** They will populate from the Location button widow.

The minimum information that must be entered for each asset is described below.

- Inventory Qty: Square Yards to .01
  - Enter the total Square Yards of asphalt included in the asset. This field will NOT auto-calculate. The following formula will calculate the correct value:

- Sur Width: Feet to 1

- This field is used to record the Lane Width for calculating square yardage. This should be one-half of the actual turn lane width. For example, a transition for a 12 foot turn lane would be recorded as having a lane width of 6 feet.
- Length: Miles to .001
  - Length is measured along the roadway centerline.
- Location: Click the Location button to open widow

- Start Coordinates:
  - Enter Longitude and Latitude coordinates if available
- End Coordinates:
  - Enter Longitude and Latitude coordinates if available
- County:
  - Choose the correct county name from the pick list
- Route Type:
  - Choose the correct route type from the pick list; IN=Interstate Route, AL=All other state routes
- Route:
  - Choose the correct route number from the pick list. The list will be limited according to the county and route type selected.
- Direction:
  - Select the traffic direction of the adjacent main roadway that is serviced by the turn lane.
- Logpoint:
  - Enter the main roadway Start and End mile points for the asset
- Side:

- Select the correct side from the pick list.

### ***2.6.2.3 UDF Tab***

No information required

## 2.7 Concrete Roadway

### 2.7.1 Description and Inventory Rules

Concrete Roadway assets represent the main travel lanes of a concrete roadway.

A single record may be created to record all lanes of the same width. If variable width lanes exist in the same paved surface then a separate record should be created for each lane width.

Divided highways are to be recorded as separate assets for each direction.

### 2.7.2 RoadMAP Asset Data Entry

#### 2.7.2.1 Main Tab

The screenshot shows the 'Main' tab of the RoadMAP Asset Data Entry form. The form is divided into several sections. The top section contains the 'Pavement ID' field (CRDW-IN0020-184.966-E) and the 'Description' field (MAIN RDWY IN0020 184.966). Below these are 'Add Info' and 'Location' fields. The middle section contains 'Div/Dist' (420), 'Road Class' (INT), and 'Build Date' (1/1/1900). The bottom section contains 'Lanes' (002) and 'Picture' (No image data). There are also dropdown menus for 'Traffic' (Medium) and 'Priority' (Medium), and buttons for 'Cost by Activity' and 'Cost Trend'.

Pavement ID	CRDW-IN0020-184.966-E	Description	MAIN RDWY IN0020 184.966
Add Info		Location	
Div/Dist	420		DISTRICT 2 - ANNISTON
Road Class	INT		Interstate Roadways
Road Class			
Build Date	1/1/1900	Traffic	Medium
Lanes	002	Priority	Medium
Picture		Design Considerations	

The minimum information that must be entered for each asset is described below.

- Pavement ID:
  - Use the standard format shown above; CRDW-Route-Mile Point-Dir. Direction is not required for undivided roadways.
- Description:

- At a minimum, include the asset type, route, and beginning mile point. Additional descriptive text can be added as needed. This format will make finding the asset in Work Orders and Work Reports easier.
- Div/Dist:
  - Choose the correct district code for the asset from the pick list
- Road Class (Top Field):
  - Choose the correct Road Class from the pick list. INT=Interstate, NHS=National Highway System, OSH=Other State Highways, INST=Institutional Roadways.
- Build Date:
  - Enter the build date if it is known. If not known, the field may be left blank. Assets imported from the legacy inventory system have a date of 1/1/1900 by default.
- Lanes:
  - Enter the number of lanes included in the segment.

### 2.7.2.2 Additional Information Tab

The screenshot shows the 'Additional Information' tab of a software interface. The form is divided into several sections:

- Top Section:** Contains fields for Max Load (0), Design (0), Inventory Qty (7983.36 square yards), Count Date (dropdown), Traffic Count (0), R.O.W. (0), Sur Depth (0), Width (12 feet), Length (0.5670 miles), Original Value (\$0.00), Life in Yrs (0), and Accrued Depr (\$0.00).
- Middle Section:** Contains Condition (A), Last Inspection (dropdown), Interval (0 Month), Det Rate (0), and Next Inspection.
- Sub-surface Section:** Contains Sub Surface (dropdown), Sub-surface Condition (100), Sub-surface Width (0), Sub-surface Depth (0), and Sub-surface Det Rate (0).
- Segment Section:** Contains Previous Segment and Next Segment (both dropdowns).
- Billable Cust(s):** A text field.
- Location Section:** Contains a Location button, Start Position (0), Address, LRS, and End Position (0).
- Notes Section:** Contains a Notes field and a More button.

Red arrows point to the following fields: Inventory Qty (7983.36 square yards), Width (12 feet), Length (0.5670 miles), Location button, Start Position (0), and End Position (0). A note box at the bottom right states: "Note: **DO NOT** ENTER MILE POINTS IN THESE FIELDS. They will populate from the Location button widow."

The minimum information that must be entered for each asset is described below.

- Inventory Qty: Square Yards to .01

- Enter the total Square Yards of asphalt included in the asset. This field will NOT auto-calculate. The following formula will calculate the correct value:

---

- Sur Width: Feet to 1
  - This field is used to record the Lane Width for the concrete section.
- Length: Miles to .001
  - Length is measured along the roadway centerline.
- Location: Click the Location button to open widow

- Start Coordinates:
  - Enter Longitude and Latitude coordinates if available
- End Coordinates:
  - Enter Longitude and Latitude coordinates if available
- County:
  - Choose the correct county name from the pick list
- Route Type:
  - Choose the correct route type from the pick list; IN=Interstate Route, AL=All other state routes
- Route:
  - Choose the correct route number from the pick list. The list will be limited according to the county and route type selected.
- Direction:
  - Direction is required when recording divided highway sections.

- Logpoint:
  - Enter the Start and End mile points for the asset

### ***2.7.2.3 UDF Tab***

No information required



## 3 Roadway Features Assets

### 3.1 Cablerail

#### 3.1.1 [Description and Inventory Rules](#)

Cablerail assets represent individual sections of cablerail on state routes and maintained by ALDOT.

#### 3.1.2 [RoadMAP Asset Data Entry](#)

##### 3.1.2.1 Main Tab

The screenshot shows the 'Main' tab of the RoadMAP Asset Data Entry form. The form is divided into several sections. At the top, there are three tabs: 'Main', 'Additional Information', and 'UDF'. The 'Main' tab is selected. Below the tabs, there are several input fields and buttons. The 'AssetID' field contains 'GDRL-AL0014-164.609-E-R'. The 'Description' field contains 'GUARDRAIL AL0014 164.609'. The 'Div/Dist' field contains '610'. The 'Road Class' field contains 'OSH'. The 'Build Date' field contains '1/1/1900'. The 'Priority' field is a dropdown menu set to 'Medium'. There are also buttons for 'Add Info', 'Location', 'Picture', 'Cost by Activity', and 'Cost Trend'. A large white box with the text 'No image data' is visible below the 'Picture' field. Red arrows point to the AssetID, Description, Div/Dist, Road Class, and Build Date fields.

The minimum information that must be entered for each asset is described below.

- Asset ID:
  - Use the standard format shown above; CBRL-Route-Mile Point-Dir-Side.
- Description:
  - At a minimum, include the asset type, route, beginning mile point, direction, and side of road. Additional descriptive text can be added as needed. This format will make finding the asset in Work Orders and Work Reports easier.
- Div/Dist:
  - Choose the correct district code for the asset from the pick list
- Road Class:

- Choose the correct Road Class from the pick list. INT=Interstate, NHS=National Highway System, OSH=Other State Highways, INST=Institutional Roadways.
- Build Date:
  - Enter the build date if it is known. If not known, the field may be left blank. Assets imported from the legacy inventory system have a date of 1/1/1900 by default.

### 3.1.2.2 Additional Information Tab

The screenshot shows the 'Additional Information' tab of a software interface. The form includes the following fields and controls:

- Financial Fields:** Original Value (\$0.00), Balance (\$0.00), Life in Yrs (0), Accrued Depr (\$0.00).
- Inspection Fields:** Condition (A), Last Inspection (dropdown), Interval (0) Months, Det Rate (0), Next Inspection.
- Related Assets:** Related Pavement, Related Asset(s), Billable Cust(s).
- Geographic Fields:** Feature, State No, Structure Type.
- Location Section:** A 'Location' button (indicated by a red arrow) opens a window for 'Address' and 'LRS'. The 'LRS' window shows 'Start Position' (0) and 'End Position' (0) for the 'Address' field. A red arrow points from the 'LRS' window to the 'Start Position' field. Below this, a text string reads: 'Co. Elmore ; Route AL0014 ; Dir. E; From 164.6090; To 169.4140; Loc. Roadside ; Offset ; Side R; GPS Start is 0:0; GPS End is 0:0'.
- Physical Dimensions:** Inventory Qty (280 linear feet), Depth (0), Height (0), Length (280 feet), Width (0). Red arrows point to the 'Inventory Qty' and 'Length' fields.
- Notes:** A 'Notes' section with a 'More' button.

**Note:** DO NOT ENTER MILE POINTS IN THESE FIELDS. They will populate from the Location button widow.

The minimum information that must be entered for each asset is described below.

- Inventory Qty: Feet to 1
- Enter the total length of the cablerail section.
- Length: Feet to 1
  - Enter the total length of the cablerail section. This should match the Inventory Qty field above.
- Location: Click the Location button to open widow

- Start Coordinates:
  - Enter Longitude and Latitude coordinates if available
- End Coordinates:
  - Enter Longitude and Latitude coordinates if available
- County:
  - Choose the correct county name from the pick list
- Route Type:
  - Choose the correct route type from the pick list; IN=Interstate Route, AL=All other state routes
- Route:
  - Choose the correct route number from the pick list. The list will be limited according to the county and route type selected.
- Direction:
  - Choose the correct direction from the pick list
- Logpoint:
  - Enter the Start and End mile points for the asset
- Side:
  - Choose the correct side of the road from the pick list.
- Location
  - Choose the correct location from the pick list. The choices are Roadside or Median.

### 3.1.2.3 UDF Tab

No information required

## 3.2 Guardrail

### 3.2.1 Description and Inventory Rules

Guardrail assets represent individual sections of guardrail on state routes and maintained by ALDOT.

### 3.2.2 RoadMAP Asset Data Entry

#### 3.2.2.1 Main Tab

The screenshot shows the 'Main' tab of the RoadMAP Asset Data Entry form. The form is divided into several sections. The top section contains the 'AssetID' field with the value 'GDRL-AL0014-164.609-E-R' and the 'Description' field with the value 'GUARDRAIL AL0014 164.609'. Below these are 'Add Info' and 'Location' fields. The middle section contains 'Div/Dist' (610), 'Road Class' (OSH), 'Build Date' (1/1/1900), and 'Priority' (Medium). The bottom section contains a 'Picture' field and two buttons: 'Cost by Activity' and 'Cost Trend'. A large white box with the text 'No image data' is present below the 'Picture' field. Red arrows point to the 'AssetID', 'Add Info', 'Div/Dist', 'Road Class', and 'Build Date' fields.

The minimum information that must be entered for each asset is described below.

- Asset ID:
  - Use the standard format shown above; GDRL-Route-Mile Point-Dir-Side.
- Add Info:
  - Enter "Double-Sided" if Double-Sided Guardrail
- Description:
  - At a minimum, include the asset type, route, beginning mile point, direction, and side of road. Additional descriptive text can be added as needed. This format will make finding the asset in Work Orders and Work Reports easier.
- Div/Dist:
  - Choose the correct district code for the asset from the pick list
- Road Class:
  - Choose the correct Road Class from the pick list. INT=Interstate, NHS=National Highway System, OSH=Other State Highways, INST=Institutional Roadways.

- Build Date:
  - Enter the build date if it is known. If not known, the field may be left blank. Assets imported from the legacy inventory system have a date of 1/1/1900 by default.

### 3.2.2.2 Additional Information Tab

The screenshot shows the 'Additional Information' tab with the following fields and values:

- Original Value: \$0.00
- Life in Yrs: 0
- Accrued Depr: \$0.00
- Balance: \$0.00
- Condition: A
- Last Inspection: [dropdown]
- Interval: 0 Months
- Det Rate: 0
- Next Inspection: [empty]
- Related Pavement: [empty]
- Related Asset(s): [empty]
- Billable Cust(s): [empty]
- Feature: [empty]
- State No: [empty]
- Structure Type: [empty]
- Location: [button]
- Address: [empty]
- LRS: [empty]
- Start Position: 0
- End Position: 0
- Inventory Qty: 280 linear feet
- Depth: 0
- Height: 0
- Length: 280 feet
- Width: 0
- Notes: [empty]

Note: **DO NOT ENTER MILE POINTS IN THESE FIELDS.** They will populate from the Location button widow.

The minimum information that must be entered for each asset is described below.

- Inventory Qty: Feet to 1
  - Enter the total length of the guardrail section. Double the length for Double-Sided Guardrail to reflect the total amount of rail.
- Length: Feet to 1
  - Enter the total length of the guardrail section. This should match the Inventory Qty field above.
- Location: Click the Location button to open widow

- Start Coordinates:
  - Enter Longitude and Latitude coordinates if available
- End Coordinates:
  - Enter Longitude and Latitude coordinates if available
- County:
  - Choose the correct county name from the pick list
- Route Type:
  - Choose the correct route type from the pick list; IN=Interstate Route, AL=All other state routes
- Route:
  - Choose the correct route number from the pick list. The list will be limited according to the county and route type selected.
- Direction:
  - Choose the correct direction from the pick list
- Logpoint:
  - Enter the Start and End mile points for the asset
- Side:
  - Choose the correct side of the road from the pick list.
- Location
  - Choose the correct location from the pick list. The choices are Roadside or Median.

### 3.2.2.3 UDF Tab

No information required

### 3.3 Impact Attenuator

#### 3.3.1 Description and Inventory Rules

Impact Attenuator assets represent individual impact attenuators on state routes and maintained by ALDOT.

#### 3.3.2 RoadMAP Asset Data Entry

##### 3.3.2.1 Main Tab

The screenshot shows the 'Main' tab of the RoadMAP Asset Data Entry interface. The form contains the following fields and values:

Field	Value
Asset ID	ATTN-IN0065-180.215-N-R
Description	Impact Attenuator IN0085s 0.000
Location	At gore for IN00865/IN0065 Interchange
Div/Dist	630 DISTRICT 3 - MONTGOMERY
Road Class	INT Interstate Roadways
Build Date	6/30/2005
Priority	Medium

Additional features include an 'Add Info' field, a 'Picture' field (currently empty with 'No image data'), and two buttons: 'Cost by Activity' and 'Cost Trend'. Red arrows in the original image point to the Asset ID, Description, Div/Dist, Road Class, and Build Date fields.

The minimum information that must be entered for each asset is described below.

- Asset ID:
  - Use the standard format shown above; ATTN-Route-Mile Point-Dir-Side.
- Description:
  - At a minimum, include the asset type, route, beginning mile point, direction, and side of road. Additional descriptive text can be added as needed. This format will make finding the asset in Work Orders and Work Reports easier.
- Location:
  - May be used to add additional descriptive location information. Such as "at interchange gore" or "on end of barrier wall."
- Div/Dist:
  - Choose the correct district code for the asset from the pick list
- Road Class:

- Choose the correct Road Class from the pick list. INT=Interstate, NHS=National Highway System, OSH=Other State Highways, INST=Institutional Roadways.
- Build Date:
  - Enter the build date if it is known. If not known, the field may be left blank. Assets imported from the legacy inventory system have a date of 1/1/1900 by default.

### 3.3.2.2 Additional Information Tab

The screenshot shows the 'Additional Information' tab of a software interface. The form includes the following fields and controls:

- Original Value: \$0.00
- Life in Yrs: 0
- Accrued Depr: \$0.00
- Balance: \$0.00
- Condition: A
- Last Inspection: [dropdown]
- Interval: 0 Months
- Det Rate: 0
- Next Inspection: [text]
- Related Pavement: [text]
- Related Asset(s): [text]
- Billable Cust(s): [text]
- Feature: [text]
- State No: [text]
- Structure Type: [text]
- Location: [button]
- Address: [text]
- LRS: [text]
- Start Position: 0
- End Position: 0
- Co. Montgomery ; Route IN0085 ; Dir. S; From 0; To 0; Loc. Roadway ; Offset ; Side C
- Inventory Qty: 1 each
- Depth: [text]
- Height: [text]
- Length: 0
- Width: 0
- Notes: [text]
- More: [button]

Note: **DO NOT ENTER MILE POINTS IN THESE FIELDS.** They will populate from the Location button widow.

The minimum information that must be entered for each asset is described below.

- Inventory Qty: Number
  - Enter 1. Each attenuator must have a unique record.



- Location: Click the Location button to open widow

- Start Coordinates:
  - Enter Longitude and Latitude coordinates if available
- End Coordinates:
  - Enter Longitude and Latitude coordinates if available
- County:
  - Choose the correct county name from the pick list
- Route Type:
  - Choose the correct route type from the pick list; IN=Interstate Route, AL=All other state routes
- Route:
  - Choose the correct route number from the pick list. The list will be limited according to the county and route type selected.
- Direction:
  - Choose the correct direction from the pick list
- Logpoint:
  - Enter the Start and End mile points for the asset. The Start and End should match because impact attenuators are considered Point Assets.
- Side:
  - Choose the correct side of the road from the pick list.
- Location
  - Choose the correct location from the pick list. The choices are Roadside, Roadway, or Median.

### 3.3.2.3 UDF Tab

No information required

## 3.4 Signals

### 3.4.1 *Description and Inventory Rules*

Signal assets in RoadMAP represent individual signalized intersections on state routes. ALL signalized intersections, even if maintained by others, require an asset record in RoadMAP.

The details of the signalization, such as number of heads, cabinet type, etc, are not required in RoadMAP. There is a separate traffic signal inventory system for that type of information.

The location of the signalized intersection should be recorded as the route with the highest classification and then the lowest state route number.

### 3.4.2 *RoadMAP Asset Data Entry*

#### 3.4.2.1 *Main Tab*

The screenshot shows the 'Main' tab of the RoadMAP Asset Data Entry form. The form is divided into several sections. The top section contains the 'Asset ID' (SGNL-AL0006-150.234) and 'Description' (Signal AL0006 150.234). Below this is the 'Location' field (US 82 @ Cobbs Ford Rd). The middle section contains 'Div/Dist' (630), 'Road Class' (NHS), and 'Build Date' (9/21/1997). The bottom section contains 'MUTCD Code', 'Picture', and 'Priority' (Medium). There are two buttons at the bottom right: 'Cost by Activity' and 'Cost Trend'. Red arrows point to the Asset ID, Description, Div/Dist, Road Class, and Build Date fields.

Asset ID	SGNL-AL0006-150.234	Description	Signal AL0006 150.234
Add Info		Location	US 82 @ Cobbs Ford Rd
Div/Dist	630		DISTRICT 3 - MONTGOMERY
Road Class	NHS		National Highway System
Build Date	9/21/1997	Priority	Medium
MUTCD Code			
Picture			

The minimum information that must be entered for each asset is described below.

- Asset ID:
  - Use the standard format shown above; SGNL-Route-Mile Point-Dir-Side.
- Description:
  - At a minimum, include the asset type, route, and mile point. Additional descriptive text can be added as needed. This format will make finding the asset in Work Orders and Work Reports easier.

- Location:
  - This should be used to record the route names serviced by the signalized intersection.
- Div/Dist:
  - Choose the correct district code for the asset from the pick list
- Road Class:
  - Choose the correct Road Class from the pick list. INT=Interstate, NHS=National Highway System, OSH=Other State Highways, INST=Institutional Roadways.
- Build Date:
  - Enter the build date if it is known. If not known, the field may be left blank. Assets imported from the legacy inventory system have a date of 1/1/1900 by default.

### 3.4.2.2 Additional Information Tab

The screenshot shows the 'Additional Information' tab with the following fields and values:

- Original Value: \$0.00
- Life in Yrs: 0
- Accrued Depr: \$0.00
- Balance: \$0.00
- Condition: A
- Last Inspection: [dropdown]
- Interval: 0 Months
- Det Rate: 0
- Next Inspection: [text]
- Related Pavement: [text]
- Related Asset(s): [text]
- Billable Cust(s): [text]
- Feature: [text]
- State No: [text]
- Structure Type: [text]
- Location: [button]
- Address: [text]
- LRS: 150.234
- Start Position: 0
- End Position: 0
- Co. Elmore ; Route AL0006 ; From 150.234; To 150.234
- Inventory Qty: 1 each
- Depth: [text]
- Height: [text]
- Length: 0
- Width: 0
- Notes: [text]
- More: [button]

Note: **DO NOT** ENTER MILE POINTS IN THESE FIELDS. They will populate from the Location button widow.

The minimum information that must be entered for each asset is described below.

- Inventory Qty: Number
  - Enter 1. Each intersection must have a unique asset record.

- Location: Click the Location button to open widow

- Start Coordinates:
  - Enter Longitude and Latitude coordinates if available
- End Coordinates:
  - Enter Longitude and Latitude coordinates if available
- County:
  - Choose the correct county name from the pick list
- Route Type:
  - Choose the correct route type from the pick list; IN=Interstate Route, AL=All other state routes
- Route:
  - Choose the correct route number from the pick list. The list will be limited according to the county and route type selected. The lowest numbered state route involved in the intersection should be used.
- Direction:
  - Choose the correct direction from the pick list
- Logpoint:
  - Enter the Start and End mile points for the asset along the lowest number state route in the intersection.

### 3.4.2.3 UDF Tab

No information required

## 3.5 Unpaved Shoulders

### 3.5.1 Description and Inventory Rules

Unpaved Shoulder assets in RoadMAP represent unpaved shoulders along state routes.

An Unpaved Shoulder may exist with or without a paved shoulder. For example, it is possible for a roadway segment to have a 4 foot wide paved shoulder and a 2 foot wide unpaved shoulder outside of that. All roadway segments with no paved shoulders are considered to have unpaved shoulders present with few exceptions based on the geometry of construction.

A single asset record for both sides of the road may be recorded if the unpaved shoulder is the same width on both sides of the road. Separate records must be created for shoulders that are not the same width such as divided highways with outside shoulders larger than the inside shoulders.

Divided highway shoulders are to be created as separate records for each direction.

### 3.5.2 RoadMAP Asset Data Entry

#### 3.5.2.1 Main Tab

The screenshot shows the 'Main' tab of the RoadMAP Asset Data Entry interface. The asset ID is UNSH-AL0005-76.739, and the description is UNPAVED SHOULDERS AL0005 76.739. The location is 'Both sides of road'. The division/district is 540 (DISTRICT 4 - MAPLESVILLE), the road class is NHS (National Highway System), and the build date is 1/1/1900. The priority is set to Medium. There are buttons for 'Cost by Activity' and 'Cost Trend'. A picture field is empty, showing 'No image data'. Red arrows point to the Asset ID, Description, Div/Dist, Road Class, and Build Date fields.

Field	Value
Asset ID	UNSH-AL0005-76.739
Description	UNPAVED SHOULDERS AL0005 76.739
Location	Both sides of road
Div/Dist	540 DISTRICT 4 - MAPLESVILLE
Road Class	NHS National Highway System
Build Date	1/1/1900
Priority	Medium

The minimum information that must be entered for each asset is described below.

- Asset ID:
  - Use the standard format shown above; UNSH-Route-Mile Point-Dir-Side. Note that Direction is only required when recorded divided highway segments, and Side is only

required if recording separate records for each side of the road due to differing shoulder widths.

- Description:
  - At a minimum, include the asset type, route, and mile point. Additional descriptive text can be added as needed. This format will make finding the asset in Work Orders and Work Reports easier.
- Location:
  - This should be used to record whether the record is for one or both sides of the roadway along with any additional information about the location of the asset.
- Div/Dist:
  - Choose the correct district code for the asset from the pick list
- Road Class:
  - Choose the correct Road Class from the pick list. INT=Interstate, NHS=National Highway System, OSH=Other State Highways, INST=Institutional Roadways.
- Build Date:
  - Enter the build date if it is known. If not known, the field may be left blank. Assets imported from the legacy inventory system have a date of 1/1/1900 by default.

### 3.5.2.2 Additional Information Tab

The screenshot shows the 'Additional Information' tab of a software interface. The form is divided into several sections. At the top, there are tabs for 'Main', 'Additional Information', and 'UDF'. Below the tabs, there are input fields for 'Original Value' (\$0.00), 'Life in Yrs' (0), and 'Accrued Depr' (\$0.00). There is also a 'Balance' field set to \$0.00. The 'Condition' is set to 'A', 'Last Inspection' is a dropdown menu, and 'Interval' is set to 0 Months. There are fields for 'Det Rate' (0) and 'Next Inspection'. A 'Related Pavement' field has a dropdown arrow. Below these are fields for 'Related Asset(s)', 'Billable Cust(s)', 'Feature', and 'State No'. The 'Structure Type' field is also present. A 'Location' button is highlighted with a red arrow. To its right, there are 'Address' and 'LRS' fields. The 'Address' field has 'Start Position' (0) and 'End Position' (0). The 'LRS' field has '76.7390' and '83.1730'. Below these are fields for 'Inventory Qty' (12.80 miles), 'Depth' (0), and 'Height' (0). The 'Length' field is set to 12.80 miles, and the 'Width' field is set to 4. A red arrow points to the 'Width' field. A red box at the bottom right contains the text: 'Note: DO NOT ENTER MILE POINTS IN THESE FIELDS. They will populate from the Location button widow.'

The minimum information that must be entered for each asset is described below.

- Inventory Qty: Miles to .01
  - Enter the total length of unpaved shoulder in the segment. For records reflecting both sides of the roadway this should be two times the centerline length.
- Length: Miles to .01
  - Enter the total length of unpaved shoulder in the segment. For records reflecting both sides of the roadway this should be two times the centerline length. Should match the Inventory Qty field above.
- Width: Feet to 1
  - Enter the width of the shoulder to the nearest foot.
- Location: Click the Location button to open widow

- Start Coordinates:
  - Enter Longitude and Latitude coordinates if available
- End Coordinates:
  - Enter Longitude and Latitude coordinates if available
- County:
  - Choose the correct county name from the pick list
- Route Type:
  - Choose the correct route type from the pick list; IN=Interstate Route, AL=All other state routes
- Route:
  - Choose the correct route number from the pick list. The list will be limited according to the county and route type selected.
- Direction:

- Choose the correct direction from the pick list if recording a divided highway segment.
- Logpoint:
  - Enter the Start and End mile points for the asset along the lowest number state route in the intersection.
- Side:
  - Select the correct side of the road from the pick list if recording separate records for each side of the roadway due to differing shoulder widths.

### **3.5.2.3 UDF Tab**

No information required



# Appendix

## Appendix 1 - Asset Categories, Types, and Short Names List

Asset Category	Asset Type	Short Name
<b>GENERAL ASSETS</b>	ALDOT Shops	SHOP
	BIKE/WALK WAY	BIKE
	OFF SYSTEM FACILITY BIKE/WALK WAY	OSBW
	ON SYSTEM FACILITY BIKE/WALK WAY	ONBW
	PUMPING STATION	PUMP
	REST AREA	REST
	SEWAGE LAGOON	LAGN
	SIDEWALK	SDWK
	WEIGH STATION	WSTA
	WELCOME CENTER	WCTR
	<b>PAVEMENT MANAGEMENT</b>	ASPHALT ACCEL/DECEL LANE
ASPHALT BUDGET		ASPB
ASPHALT CENTER TURN LANE		ACTL
ASPHALT CONNECTOR ROAD		ACRD
ASPHALT CROSSOVER		AXO
ASPHALT CROSSROAD		AXRD
ASPHALT DRIVEWAY		ADRV
ASPHALT INTERCHANGE ROADWAY		AIRD
ASPHALT INTERCHANGE TRANSITION		AITR
ASPHALT INTERCHANGE TURN LANE		AITL
ASPHALT INTERSECTION		AINT
ASPHALT MISC. (XO/TO/INT)		AMSC
ASPHALT OFF SYSTEM FACILITY		AFSF
ASPHALT OFF SYSTEM FACILITY MISC. (XO/TO/INT)		AFM
ASPHALT OFF SYSTEM FACILITY PARKING		AFPK
ASPHALT OFF SYSTEM		AFPS

**PAVEMENT  
MANAGEMENT**

FACILITY PAVED SHOULDER	
ASPHALT OFF SYSTEM FACILITY ROADWAY	AFRD
ASPHALT ON SYSTEM FACILITY	ANSF
ASPHALT ON SYSTEM FACILITY MISC. (XO/TO/INT)	ANM
ASPHALT ON SYSTEM FACILITY PARKING	ANPK
ASPHALT ON SYSTEM FACILITY PAVED SHOULDER	ANPS
ASPHALT ON SYSTEM FACILITY ROADWAY	ANSR
ASPHALT PARKING AREA	APKG
ASPHALT PARKING LANE	APKL
ASPHALT PAVED ISLAND	APIL
ASPHALT PAVED MEDIAN	APMD
ASPHALT PAVED SHOULDER	APSH
ASPHALT RAMP ACCEL/DECEL LANE	ARAD
ASPHALT RAMP ISLAND	ARIL
ASPHALT RAMP PAVED SHOULDER	ARPS
ASPHALT RAMP ROADWAY	ARRD
ASPHALT RAMP TRANSITION	ARTR
ASPHALT RAMP TURN LANE	ARTL
ASPHALT ROADWAY	ARDW
ASPHALT SERVICE ROAD	ASRD
ASPHALT SPUR	ASPR
ASPHALT STORAGE LANE	ASTO
ASPHALT TRANSITION	ATRA
ASPHALT TRUCK LANE	ATRK
ASPHALT TURN LANE	ATL
ASPHALT TURN LANE TRANSITION	ATLT
ASPHALT TURNOUT	ATO
ASPHALT WEIGHING	AWLN

**PAVEMENT  
MANAGEMENT**

SITE LANES	
ASPHALT WEIGHING SITE MISC.	AWSM
ASPHALT WEIGHING SITE PARKING	AWPK
CONCRETE ACCEL/DECEL LANE	CADL
CONCRETE BUDGET	CONB
CONCRETE CENTER TURN LANE	CCTL
CONCRETE CONNECTOR ROAD	CCRD
CONCRETE CROSSOVER	CXO
CONCRETE CROSSROAD	CXRD
CONCRETE DRIVEWAY	CDRV
CONCRETE INTERCHANGE ROADWAY	CIRD
CONCRETE INTERCHANGE TRANSITION	CITR
CONCRETE INTERCHANGE TURN LANE	CITL
CONCRETE INTERSECTION	CINT
CONCRETE MISC. (XO/TO/INT)	CMSC
CONCRETE OFF SYSTEM FACILITY	CFSF
CONCRETE OFF SYSTEM FACILITY MISC. (XO/TO/INT)	CFM
CONCRETE OFF SYSTEM FACILITY PARKING	CFPK
CONCRETE OFF SYSTEM FACILITY PAVED SHOULDER	CFPS
CONCRETE OFF SYSTEM FACILITY ROADWAY	CNRD
CONCRETE OFF SYSTEM FACILITY TURNOUT	CFTO
CONCRETE ON SYSTEM FACILITY	CNSF
CONCRETE ON SYSTEM FACILITY MISC. (XO/TO/INT)	CNM

**PAVEMENT  
MANAGEMENT**

CONCRETE ON SYSTEM FACILITY PARKING	CNPK
CONCRETE ON SYSTEM FACILITY PAVED SHOULDER	CNPS
CONCRETE ON SYSTEM FACILITY ROADWAY	CNSR
CONCRETE ON SYSTEM FACILITY TURNOUT	CNTO
CONCRETE PARKING AREA	CPKG
CONCRETE PARKING LANE	CPKL
CONCRETE PAVED ISLAND	CPIL
CONCRETE PAVED MEDIAN	CPMD
CONCRETE PAVED SHOULDER	CPSH
CONCRETE RAMP ACCEL/DECEL LANE	CRAD
CONCRETE RAMP ISLAND	CRIL
CONCRETE RAMP PAVED SHOULDER	CRPS
CONCRETE RAMP ROADWAY	CRRD
CONCRETE RAMP TRANSITION	CRTR
CONCRETE RAMP TURN LANE	CRTL
CONCRETE ROADWAY	CRDW
CONCRETE SERVICE ROAD	CSRD
CONCRETE SPUR	CSPR
CONCRETE STORAGE LANE	CSTO
CONCRETE TRANSITION	CTRA
CONCRETE TRUCK LANE	CTRK
CONCRETE TURN LANE	CTL
CONCRETE TURN LANE TRANSITION	CTLT
CONCRETE TURNOUT	CTO
CONCRETE WEIGHING SITE LANES	CWLN
CONCRETE WEIGHING SITE MISC.	CWSM
CONCRETE WEIGHING SITE PARKING	CWPK

<b>PAVEMENT MANAGEMENT</b>	GRAVEL BUDGET	GRVB
	GRAVEL DRIVEWAY	GDRV
	GRAVEL MISC. (XO/TO/INT)	GMSC
	GRAVEL OFF SYSTEM FACILITY	GFSF
	GRAVEL OFF SYSTEM FACILITY MISC. (XO/TO/INT)	GFM
	GRAVEL OFF SYSTEM FACILITY PARKING	GFPK
	GRAVEL OFF SYSTEM FACILITY PAVED SHOULDER	GFPS
	GRAVEL OFF SYSTEM FACILITY ROADWAY	GNRD
	GRAVEL OFF SYSTEM FACILITY TURNOUT	GFTO
	GRAVEL ON SYSTEM FACILITY	GNSF
	GRAVEL ON SYSTEM FACILITY MISC. (XO/TO/INT)	GNM
	GRAVEL ON SYSTEM FACILITY PARKING	GNPK
	GRAVEL ON SYSTEM FACILITY PAVED SHOULDER	GNPS
	GRAVEL ON SYSTEM FACILITY ROADWAY	GNSR
	GRAVEL ON SYSTEM FACILITY TURNOUT	GNTO
	GRAVEL PARKING AREA	GPKG
	GRAVEL ROADWAY	GRDW
	GRAVEL TURNOUT	GTO
	GRAVEL WEIGHING SITE MISC.	GWSM
	GRAVEL WEIGHING SITE PARKING	GWPK

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<b>ROADWAY FEATURES</b>	ALDOT FENCE	FNCE
	BACK SLOPE	BSLP
	BARRIER WALLS	BRWL
	BRIDGE	BRG
	BRUSH CONTROL	BRSH
	CABLERAIL	CBRL
	CROSS DRAINS	XDR
	CULVERT	CLVT
	CURB & GUTTER	C&G

**ROADWAY FEATURES**

DELINEATORS	DELN
DROP INLETS-CATCH BASINS-AND SLOTTED DRAINS	INLT
FRONT SLOPE	FSLP
GUARDRAIL	GDRL
HIGHWAY LIGHTING	HWLT
IMPACT ATTENUATORS	ATTN
ITS Facilites	ITSF
LITTER CONTROL	LITR
MINOR DRAINAGE STRUCTURES	MNDR
MOWING AREA	MOW
OBJECT MARKERS	OBMK
PAVED DITCH	PDCH
PAVEMENT MARKINGS & LEGENDS	MKLG
PAVEMENT STRIPING	STRP
RPMs	RPMS
SIDE DRAINS	SDDR
SIGN INSTALLATIONS	SI
SIGNALS	SGNL
SIGNS - OTHER	SNOT
SIGNS - W & R	SNWR
Signs (Scouting)	SNSC
SWEEPABLE LENGTH	SWEP
TREE GROWING AREA	TREE
UNPAVED DITCH	UDTC
UNPAVED SHOULDERS	UNSH
VEGETATED ROADSIDE	VRDS